Bruhat Bangalore Mahanagara Palike

Excecutive Engineer Dasharahalli Project Division

Name of Work :Modified Estimate for Improvement to Aswathkatte Near Cambridge School Mallasandra ward No-13 Shettyhalli Sub division

Sl. No	Description of work	Mesurement				Qty	Unit	Rate	Amount
		Nos	L	B	D				
1	KSRB 2-2.2 : **Earthwork excavation for foundation of buildings,** water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in hard soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. after breaking of clods complete as per specifications. specification. No. KBS 2.1(b) / 2.3.5. (P.No. 5/I.No. 2.4 of CSR								
	For Ashwathkatte								
	Northside	1	5.25	1.40	1.60	11.76			
	Southside	1	5.25	1.40	1.60	11.76			
	Eastside	1	14.75	1.40	1.60	33.04			
	Westside	1	14.75	1.40	1.60	33.04			
	Footpath	1	18.50	18.60	0.18	61.94			
	Deduction	-1	6.65	13.35	0.20	-17.76			
		-1	3.30	6.75	0.20	-4.46			
					Total Modified Qty	**129.33**			
					Total Scheduled-B Qty	**101.98**			
					Qty Upto 125%	**127.48**	**Cum**	**400.00**	**50990.00**
					Qty Above 125%	**1.85**	**Cum**	**401.50**	**743.78**
2	Providing and laying in position plain **cement concrete of mix 1:3:6** with opc cement @220kgs with 20 mm and down size graded granite metal course aggregate @0.84cum and fine aggregates @0.56 cum machine mixed,laid in layers not exceeding 15cms thick well compacted in foundation,plinth and cills including cost of all materials,labour,HOM OF machinary, curing complete as per specification (Pg No-12.Item No.4.2)								
	Northside	1	5.25	1.40	0.15	1.10			
	Southside	1	5.25	1.40	0.15	1.10			
	Eastside	1	14.75	1.40	0.15	3.10			
	Westside	1	14.75	1.40	0.15	3.10			
	Footpath	1	18.50	18.60	0.12	41.29			
	Deduction	-1	6.65	13.35	0.10	-8.88			
		-1	3.30	6.75	0.10	-2.23			
					Total Modified Qty	**38.59**			
					Total Scheduled-B Qty	**39.89**			
					Qty Upto 125%	**38.59**	**Cum**	**5400.00**	**208368.4**

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Sl. No	Description of work	Mesurement				Qty	Unit	Rate	Amount
		Nos	L	B	D				
3	Providing and Laying in position reinforced cement concrete of design mix M25 with OPC cement @ 320Kgs with 20mm and down size graded granite metal course aggregate @ 0.878cum and fine aggregate @ 0.459cum, with superplastisiser @ 3ltr confirming to IS 9103-1999 Reaffirming 2008, machine mixed, concrete laid in layers not exceeding 15cms thick, vibrated for all works in foundation plinth and ground level for roof slab, stairecase, lintels, retaining wall , return wall, wall (any thickness) including attahed plasters, column , piers, abutmentspillers, posts, struts, buttresses, string or laceing courses, parapets, coping, bed blocks, anchor hooks plain window cill, fillets, etc.., including cost of all materials, Labours, HOM of Machineries, curing complete as per specification (Page No 13-Item No : 4.12 @ P.W.D SR 2016-17)								
	For Ashwathkatte footing								
	Northside	1	5.25	1.20	0.40	2.52			
	Southside	1	5.25	1.20	0.40	2.52			
	Eastside	1	14.75	1.20	0.40	7.08			
	Westside	1	14.75	1.20	0.40	7.08			
	Footpath	1	18.50	1.20	0.10	2.22			
	For Steps	1	6.75	3.25	0.10	2.19			
						23.61			
	For sidewall								
	Northside	1	6.65	0.15	1.20	1.20			
	Southside	1	6.65	0.15	1.20	1.20			
	Eastside	1	13.35	0.15	1.20	2.40			
	Westside	1	13.35	0.15	1.20	2.40			
						7.20			
					Total Modified Qty	**30.81**			
					Total Scheduled-B Qty	**38.23**			
					Qty Upto 125%	**30.81**	**Cum**	**6700.00**	**206452.13**
4	**Filling Available excavated** earth(excluding rock) inside cum of foundation upto plinth in layers not exceeding 20cm in depth compacting each deposited layer by ramming after watering with lead upto 50mtr and lift upto 1.5mtr including cost of all labour etc complete as per specificatrion No. KBS 2.9(Item No.2.10 Page No.6) SR 2016-17.								
	50% of Qty As Per Item No.1					**180.53**			
					Total Modified Qty	**180.53**			
					Total Scheduled-B Qty	**50.99**			
					Qty Upto 125%	**63.74**	**Cum**	**130.00**	**8285.88**
					Qty Above 125%	**116.79**	**Cum**	**135.76**	**15855.75**
5	KSRRB : Providing and **constructing granite / trap / basalt size stone masonry** in Foundation with cement mortar 1 :6, and hammered dressed in courses not less than 20cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications. (Page No-23, Item No-5.6)								

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Sl. No	Description of work	Mesurement Nos	L	B	D	Qty	Unit	Rate	Amount
	ASHAWATH KATTE STEPS								
	STEPS -1	1	5.00	3.30	0.20	3.30			
	STEPS -2	1	4.22	2.90	0.20	2.45			
	STEPS -3	1	3.45	2.50	0.20	1.73			
	STEPS -4	1	2.62	2.05	0.20	1.07			
	STEPS -5	1	1.30	1.68	0.20	0.44			
					Total Modified Qty	8.98			
					Total Scheduled-B Qty	1.26			
					Qty Upto 125%	1.58	Cum	4300.00	6772.50
					Qty Above 125%	7.41	Cum	4315.49	31971.74
6	Providing and **Removing centering and shuttering**, strutting proping etc. and removal of form work for foundations footings bases of columns for mass concrete including cost of all materials labour complete as per specifications. Specification No. KBS 4.3.2(Item No.4.28 Page No.15) SR 2016-17.								
	For Ashwathkatte footing								
	Northside	2	5.25		0.40	4.20			
	Southside	2	5.25		0.40	4.20			
	Eastside	2	14.75		0.40	11.80			
	Westside	2	14.75		0.40	11.80			
						32.00			
	For sidewall								
	Northside	2	6.65		1.20	15.96			
	Southside	2	6.65		1.20	15.96			
	Eastside	2	13.35		1.20	32.04			
	Westside	2	13.35		1.20	32.04			
						96.00			
					Total Modified Qty	**128.00**			
					Total Scheduled-B Qty	**177.00**			
					Qty Upto 125%	**128.00**	**Cum**	**240.00**	30720.00
	KSRB 4.9.2: **Providing T.M.T steel** reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications.Specification No. KBS 4.6.3, TMT bars Fe 500. Page No. 17/ Item No. 4.46.2/ PWD SR 2016-17								
	Qtty as per item No.3 30.81x80kg/cum					**2.46**			
					Total Modified Qty	**2.46**			
					Total Scheduled-B Qty	**3.06**			
					Qty Upto 125%	**2.46**	**Tn**	**65000.00**	**159900.00**

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Sl. No	Description of work	Mesurement Nos	L	B	D	Qty	Unit	Rate	Amount
8	**Constuction of embackment** with approved material gravel or murroum with all lift and leads transporting to sites spreeding grading to requried slope and gradient and compacting to meet reqirnment of table 300.2 complete as per specification including cost of gravel or murroum watering charges and compaction by vibratory roller to 95% procters density MORTH Specification No.305(item No.19.60 Page No.148)SR 2016-17.								
	For Ashwathkatte	1	13.05	6.30	1.20	98.66			
					Total Modified Qty	98.66			
					Total Scheduled-B Qty	414.58			
					Qty Upto 125%	98.66	Cum	320.00	31570.56
9	Providing and laying flooring using pre polished **water cut gangsaw 19mm thick** granite laid with a bed of 20mm thick 1:4 cum and jointed with neat cement slurry mixed with pigment to match the shade of granite slabs including laying POP on finished surface and cleaning surface including the cost of all materials morter and labours etc. complete as per specification using silver gray granite/multi red/ ruby red/black/ hassan green granite slab of width not less than 1200mm. Item no.14.47.1 Page No.107. SR 2016-17.								
	For Floor	1	6.65	13.35		88.78			
	For Steps Treads	1	1.80	1.60		2.88			
		2	1.65	0.40		1.32			
		2	2.10	0.40		1.68			
	Steps Tread	2	2.50	0.40		2.00			
		2	2.90	0.40		2.32			
		1	2.62	0.40		1.05			
		1	3.45	0.40		1.38			
		1	4.22	0.40		1.69			
		1	5.00	0.40		2.00			
	Rises	2	2.05	0.15		0.62			
		2	2.50	0.15		0.75			
		2	2.90	0.15		0.87			
		2	3.30	0.15		0.99			
		1	2.62	0.15		0.39			
		1	3.45	0.15		0.52			
		1	4.22	0.15		0.63			
		1	5.00	0.15		0.75			
	For Ashwathakatte	1	13.35	1.00		13.35			
		2	6.65	1.00		13.30			
		2	5.30	1.00		10.60			
					Total Modified Qty	147.86			
					Total Scheduled-B Qty	140.08			
					Qty Upto 125%	147.86	Sqm	2820.00	416970.84

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Sl. No	Description of work	Mesurement				Qty	Unit	Rate	Amount
		Nos	L	B	D				
10	Providing and fixing 20mm thick **gang saw water cut LAKARED** granite for cladding in CM 1:4 proportion with a coat of rough plastring using CM 1:4 cut to required shape pattern with paper joints finished with cement motar using white cement and colour pigment to match the colour of slab making through sealent grouws in joints including cost of curing etc... complete including cost and convience of all materials labour for all items of works HOM of equipments etc complete as per specification Item No. 14.60 Page No. 109 SR 2016-17.								
					Total Modified Qty	0.00			
					Total Scheduled-B Qty	36.60			
					Qty Upto 125%	0.00	Sqm	3900.00	0.00
11	Providing and 304- grade **stainless steel hand rails** of 14- guage pipes for ramps staircase made out ofstainless steel hollow pipes,using 50mm dia for verticles @1.60 mtr c/c fixed to the ramps or steps by drilling with bolts and 100mm dia MS base plates 10mm guage for fixing of Verticle pipes 4- Nos anchor bolts & 40mm dia pipes fixed horizontally for 2-rows top, one pipes fixed with verticle pipes another one fixed with elbows and 25mm dia pipes are fixed horizontally for 2-rows below top measure @equal intervals including cutting, welding,bending, wherever necessary with suitable caps @tops , bottoms & corners finishing with mat/shining ets., completeincluding cost and conveyance of all materials , labour for all items of work,HOM of equipment with all lead and lift , loading and unloading, transportation charges aqnd all other incidental charges etc., complete as per specification and directions of the Engineer-in-charge of the work. Ramps or staircase for physically challenged..(P .NO-43 ,I NO-7 .3 9. S.R:2016-17)								
	North Side	1	5.75	1.00		5.75			
		2	0.45	1.00		0.90			
	Eastside	1	5.30	1.00		5.30			
		1	5.40	1.00		5.40			
		1	0.45	1.00		0.45			
	South side	1	5.80	1.00		5.80			
	South side	1	0.45	1.00		0.45			
	west side	1	12.50	1.00		12.50			
					Total Modified Qty	36.55			
					Total Scheduled-B Qty	44.40			
					Qty Upto 125%	36.55	Sqm	6200.00	226610.00
12	**Providing full nosing for 20mm thick** granite slab using required machinary including cost and conveyance of all materials; labour for all items of works H O M of equipment etc; complete as per specification (I No-14.55 ; P-No-108 S R 2016-17)								
						0.00			
					Total Modified Qty	0.00			
					Total Scheduled-B Qty	42.60			
					Qty Upto 125%	0.00	Mtr	240.00	0.00

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Description of work	Measurement				Qty	Unit	Rate	Amount
	Nos	L	B	D				
Providing and laying heavy duty cobble stones 40mm thick interlock pavers, using cement and stone dust for manufacture of blocks of approved size, shape and colour with a minimum crushing strength of 281 kg per sqm over 50mm thick sand bed (average thickness) and compacting with plate vibrator having 3 ton compaction force thereby forcing part of sand underneath to come up in between joints, final compaction of paver surface joints into its level etc. including cost of materials, labour and hire charges of machineries complete as per specifications. Specification No. 6.8.5. (P.No. 104, I.No. 14.8 of CSR 2015-16)								
					Total Measured Qty	0.00		
					Total Scheduled Qty	43.00		
					Qty Upto Limit	0.00	Nos	000.00	0.00
Providing And Constructing Mantapa using Sadarahalli Granite stones of size of 0.40m*0.40m*2.3 mmmmm for four numbers pillers and four numbers of beams of size 0.30m*0.30m*2.75 mtr and with granite slab roof of 4.30mtrs*3.00mtrs*0.15thick including cost of all loading and unloading and the lead for bringing the stone to the workspot including cost of all carving work dressing polishing and pinching and installing at wourk site etc., complete								
Stone Mantapa	1.00				1	Nos	447441.00	447441.00
					Grand Total			1884963.00

CERTIFICATE

Certified that the work spot has been inspected by me and the work is necessary & site condition

Certified that the work is not split

Certified that the estimate is based on PWD SR/DTD Bangalore Circle SR of 2016-17

Asst Engineer

Asst.Executive Engineer
Project Sub Division

Executive Engineer
Project Division, Dasarahalli

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